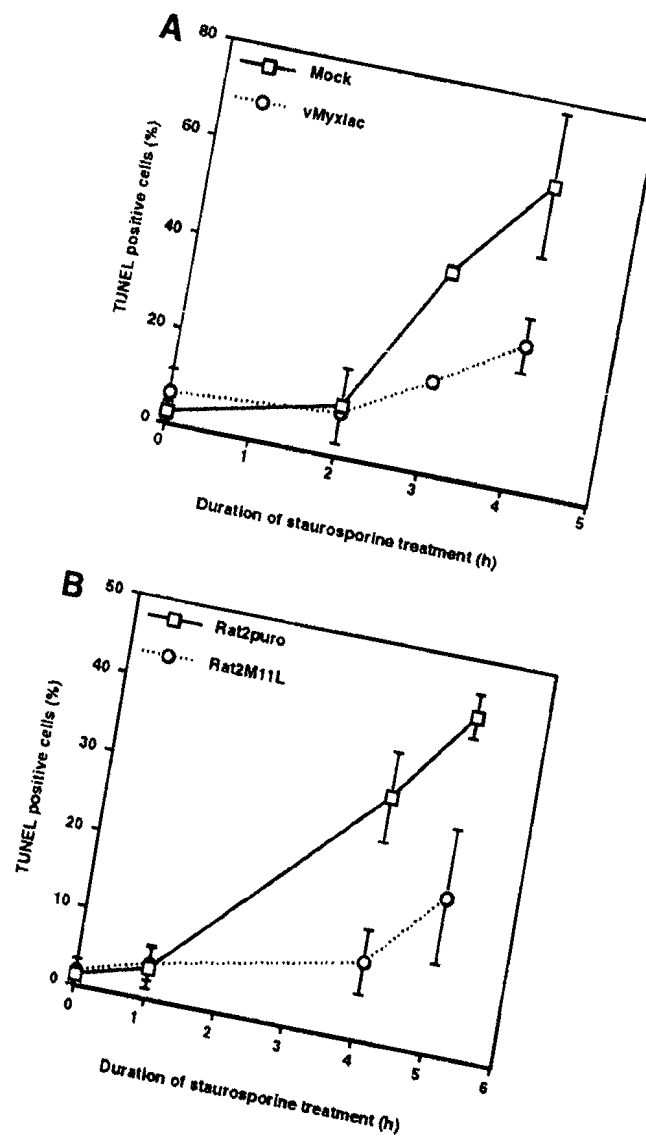
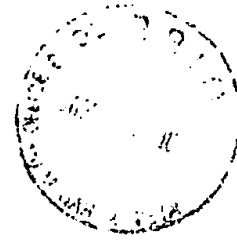
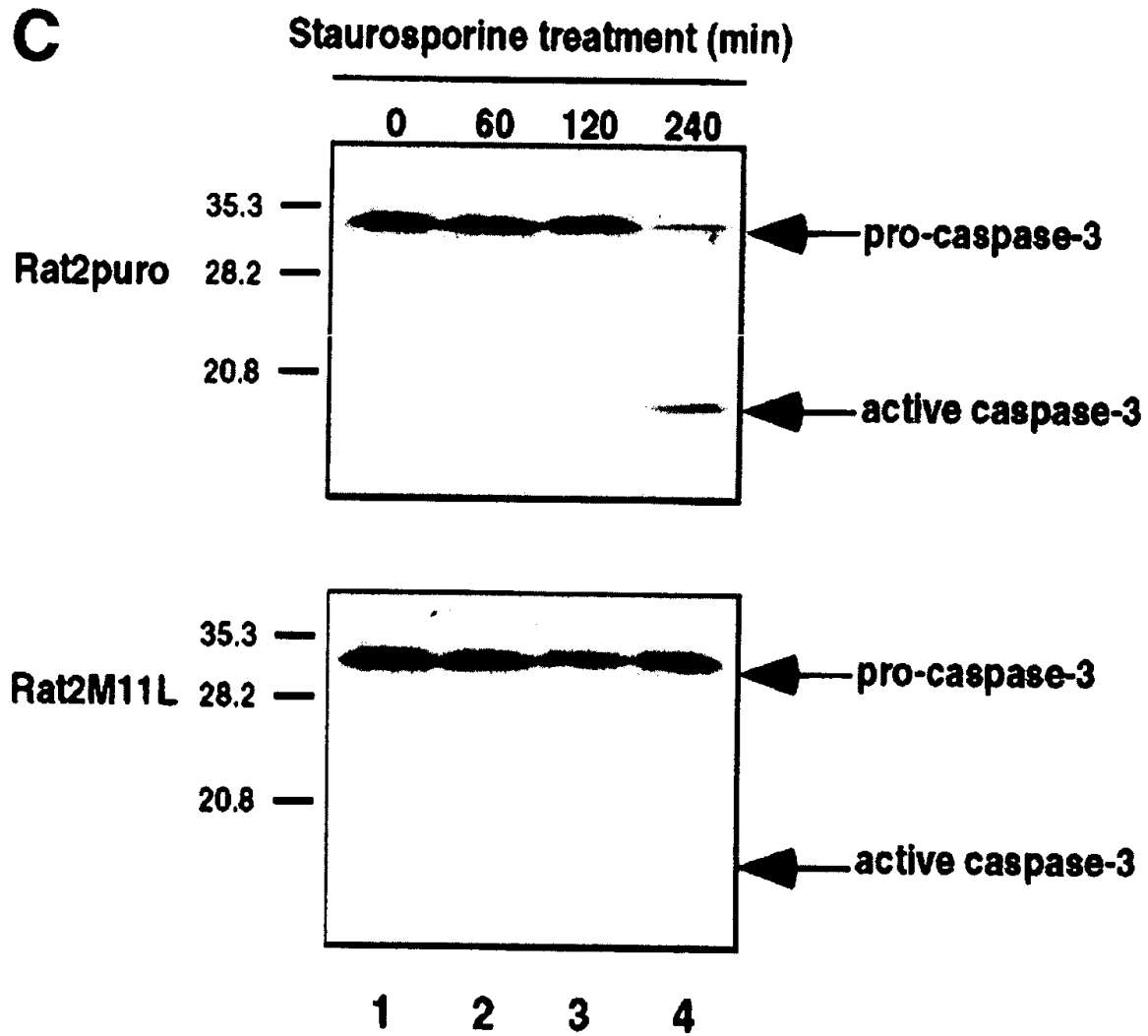
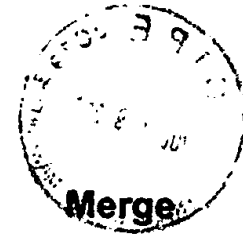
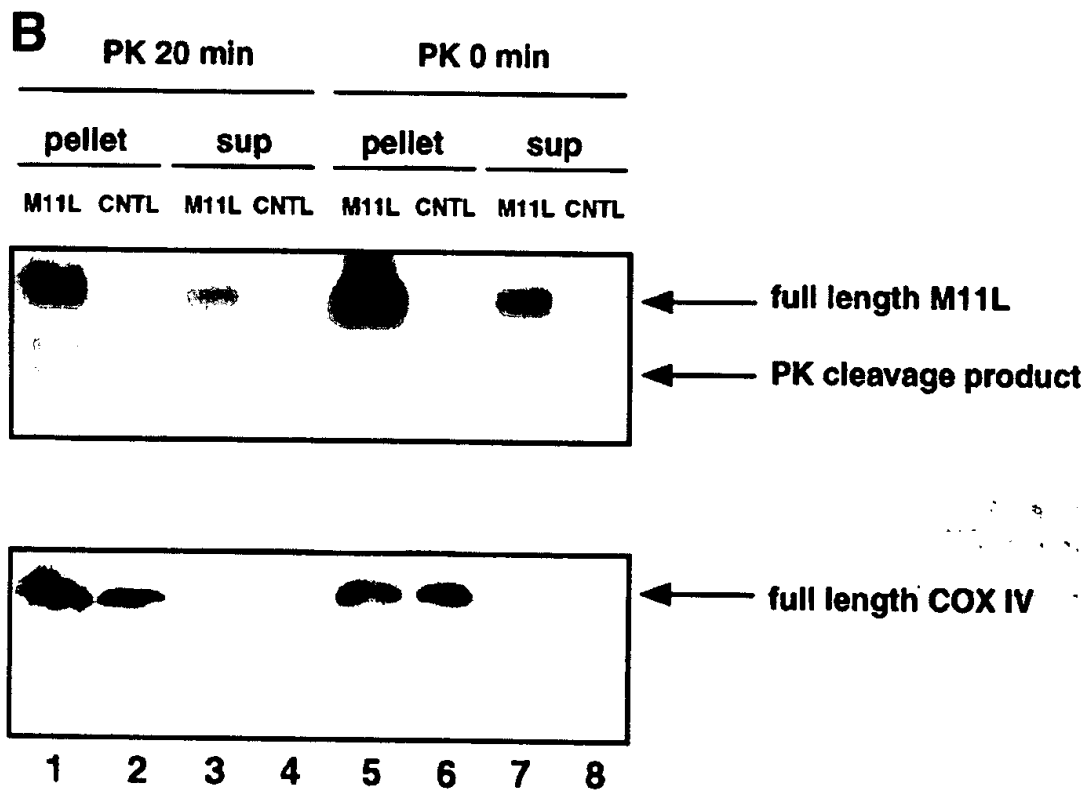
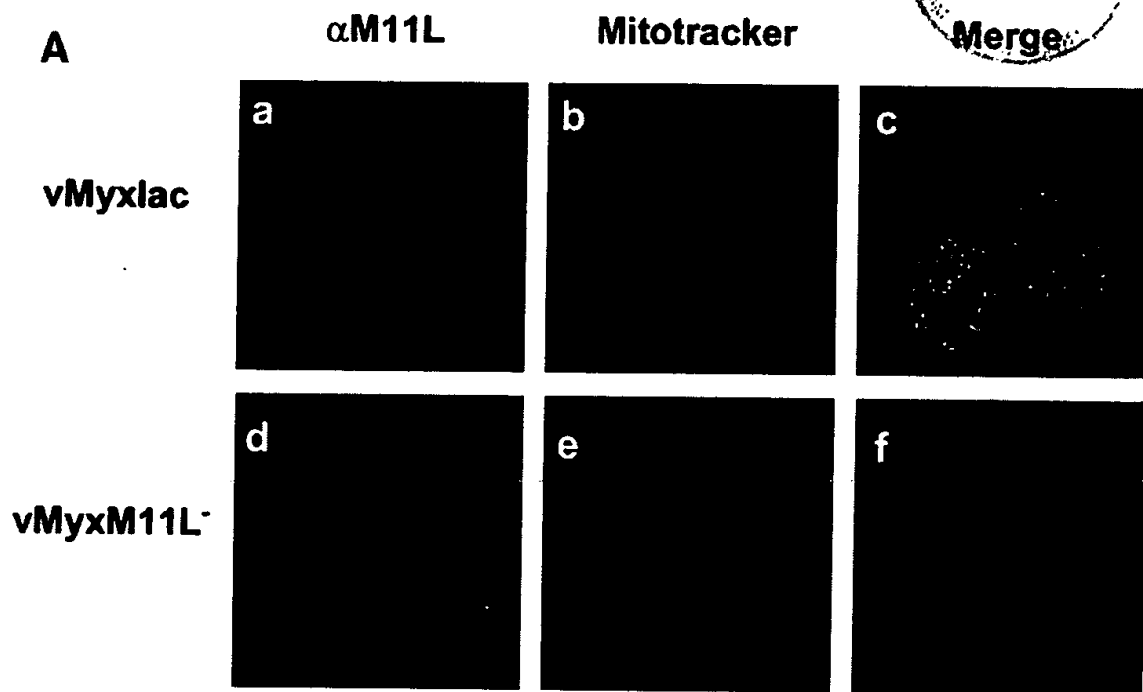


Figure 1

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**Figure 1 (con't)**

**Figure 2**

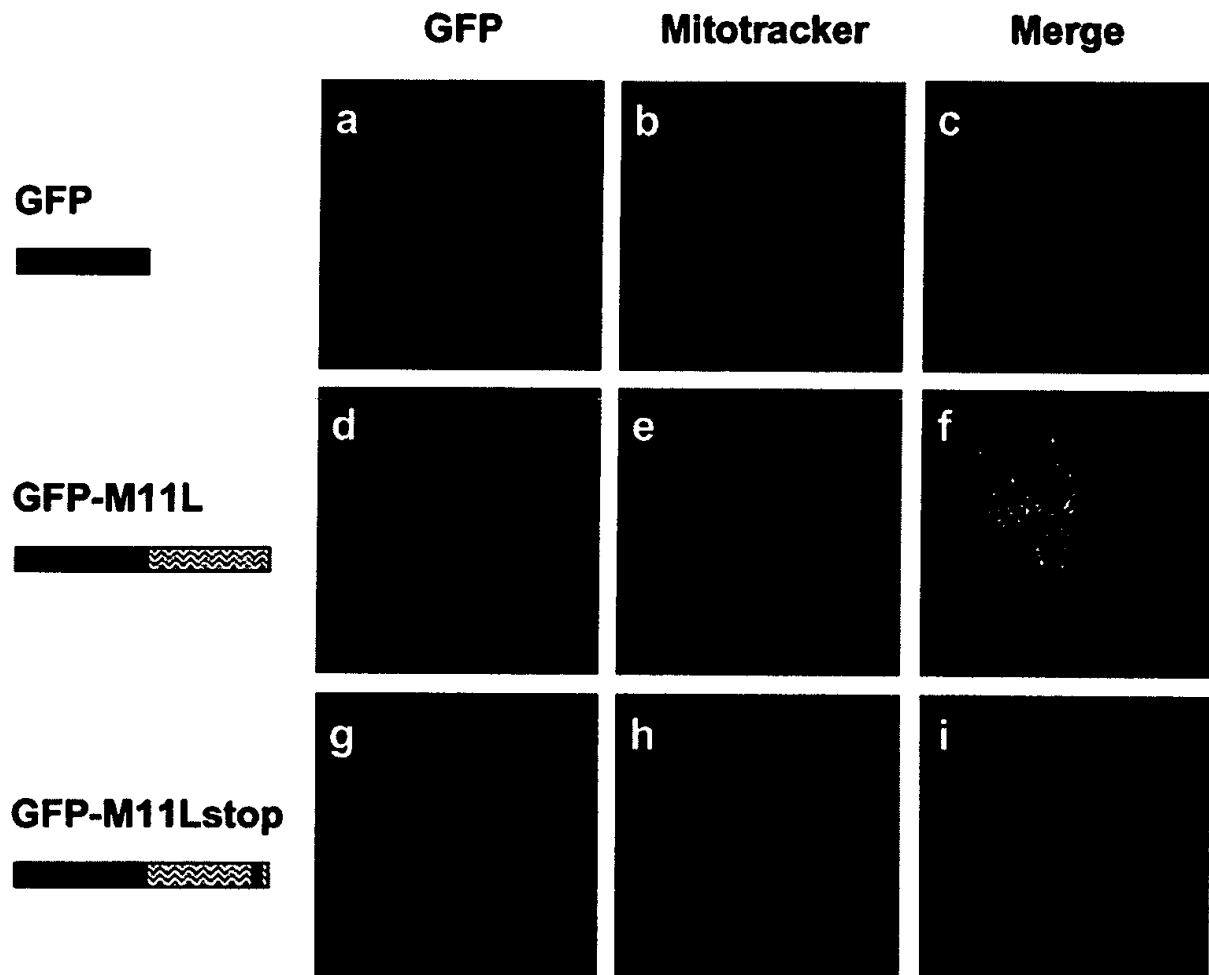
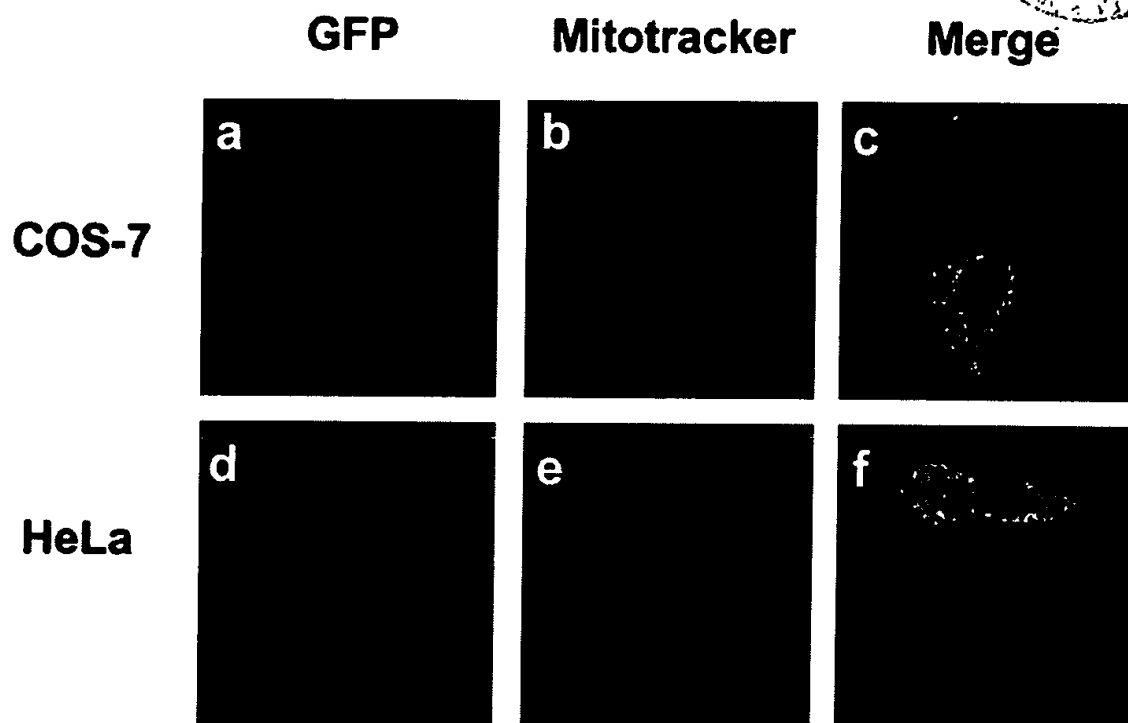
**Figure 3**



Figure 4



GFP

 mtmt = KISVYLTAAVGVAYGILKWYRGT

+

+

+

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Figure 5

domain is a
mitochondrial
targeting signal

domain
is required
for function

M11L	K	ISVYLTAADVGFVAYGIL	K	WYRGT	Y	Y
Bcl-2	K	TLLSLALVGACITLGAYLS	E	K	Y	Y/N
Bcl-X _L	R	WFLTGMTVAGVVLLGSLFS	R	K	Y	Y/N
Boo/Diva	R	LLIQAFLSGFFATAIFFIW	K	RL	?	?
CED-9	R	WSMIGAGVTAGAIGIVGVVVC	R	MMPSLK	?	?
BHRF-1	R	FSWTLFLAGLTLSLLVICSYLFIS	R	GRH	Y	Y
KSbcl-2	R	MTALLGSIALLATILAAVAMS	R	R	?	?
Nip3	K	VFLPSLLLSHLLAIGLGIYIG	R	RLTTSTSTF	Y	Y
Nix	K	VFIPSLFLSHVLALGLGIYIG	K	RLSTPSA	Y	Y

positive
charge

18-24 aa putative
membrane-spanning domain

positive
charge

positive
tail

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Figure 6

A

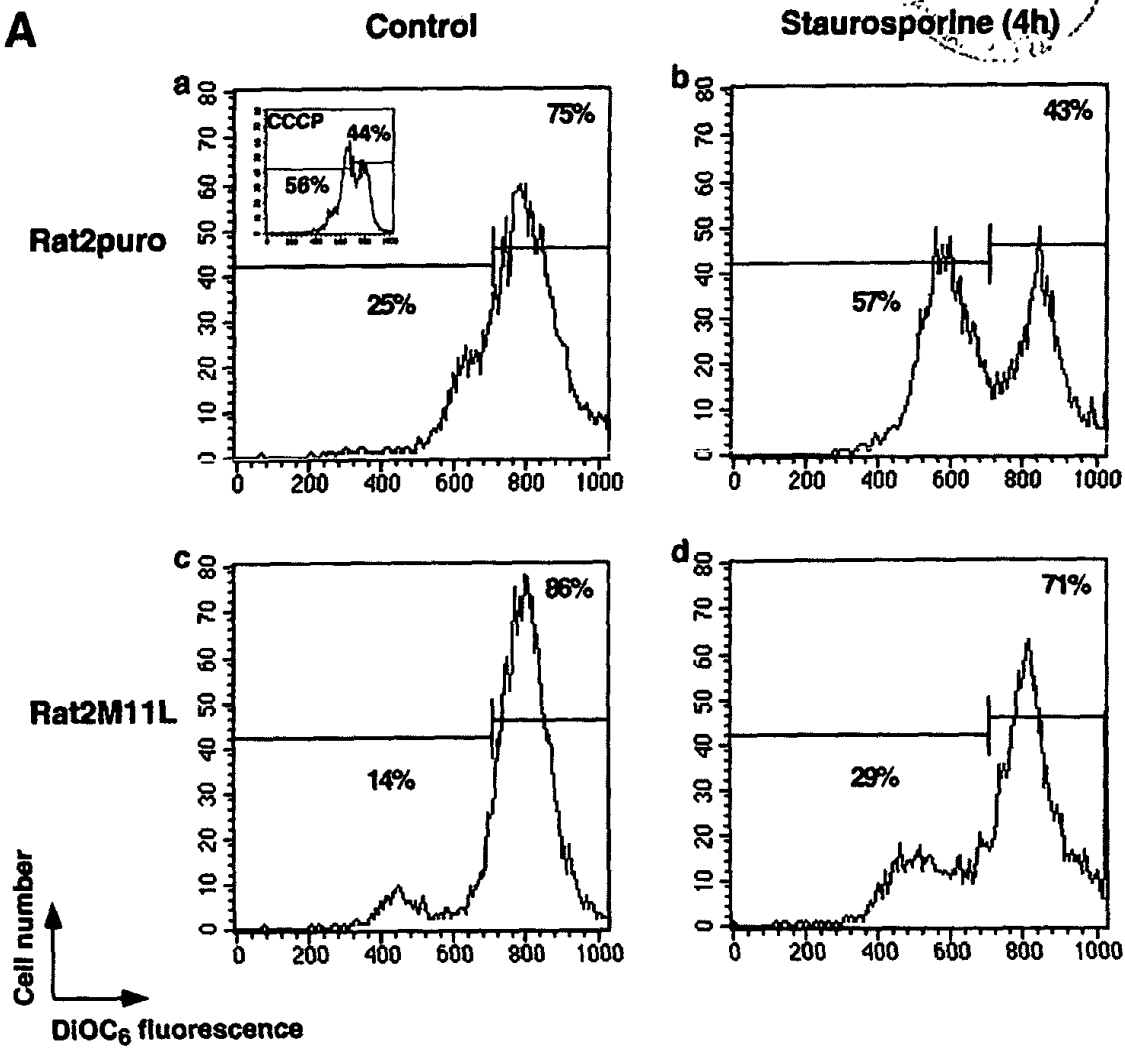
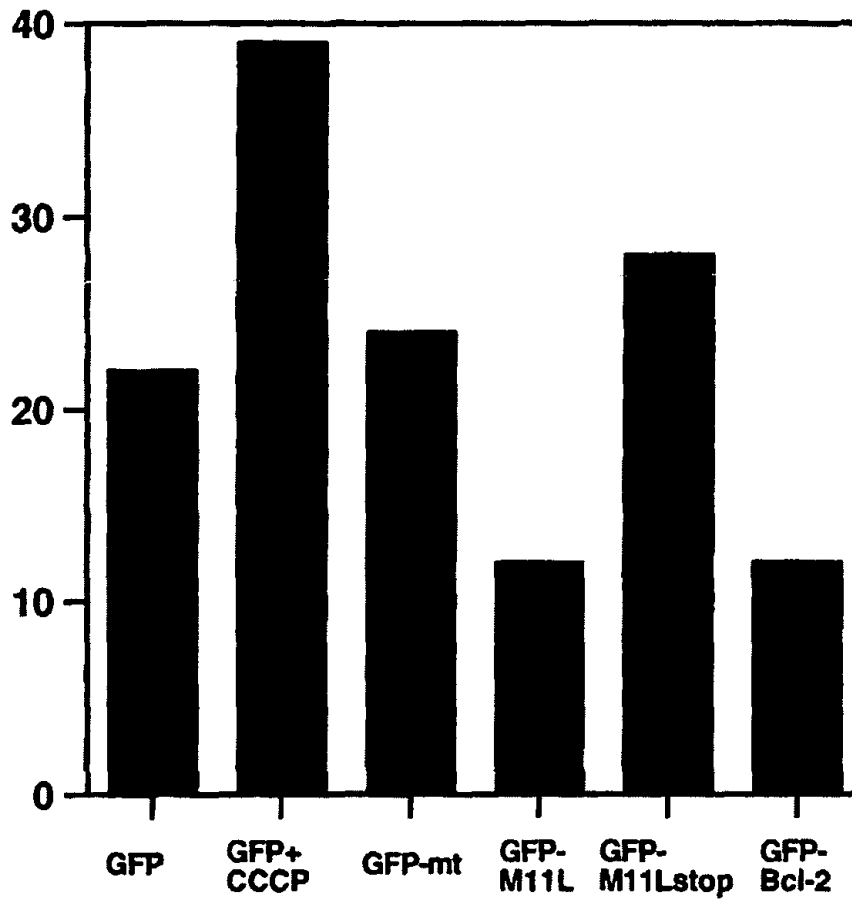


Figure 6 (con't)

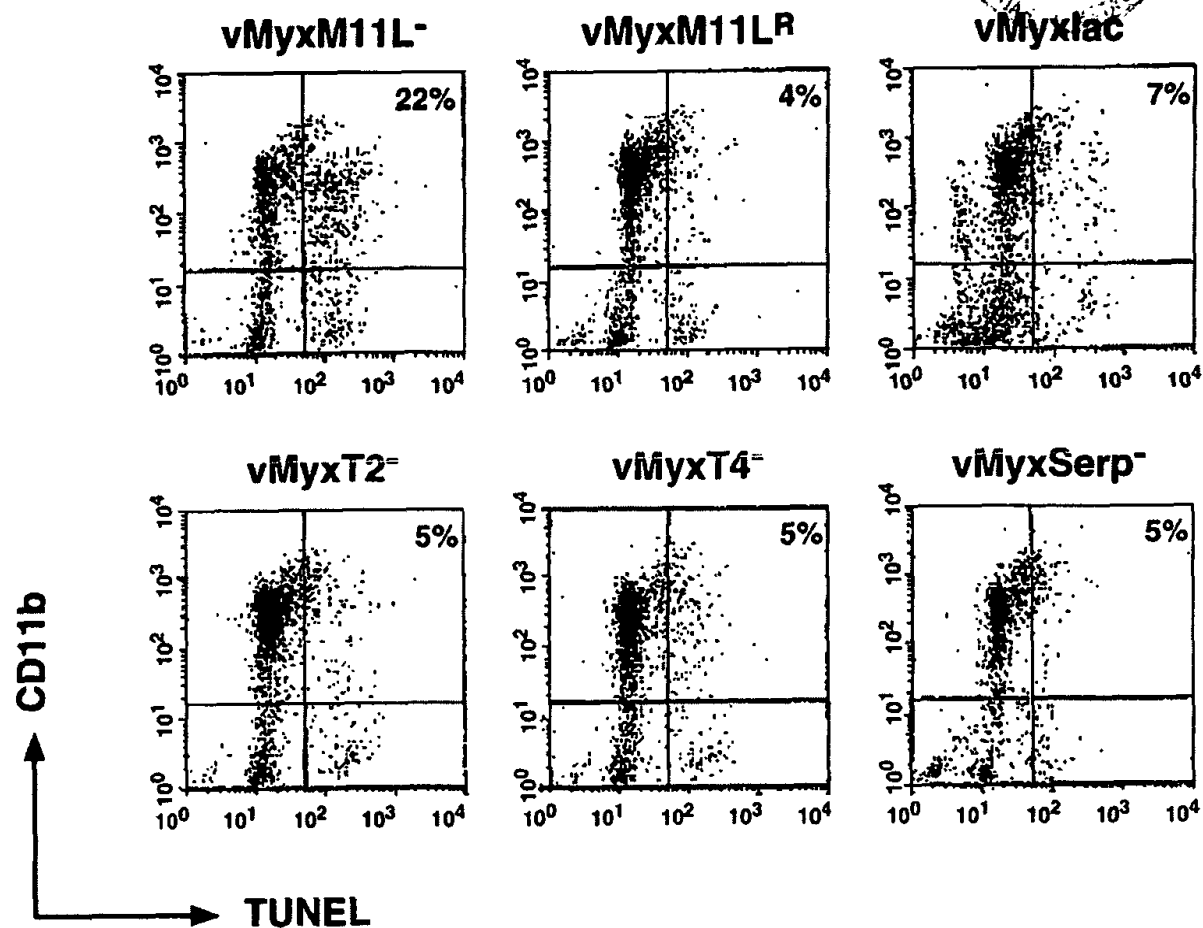
B

Average percent difference in TMRE positive cells following apoptosis induction



GFP construct expressed by cells

Figure 7



0000000000
0000000000

Process to Identify M11L-interacting Proteins

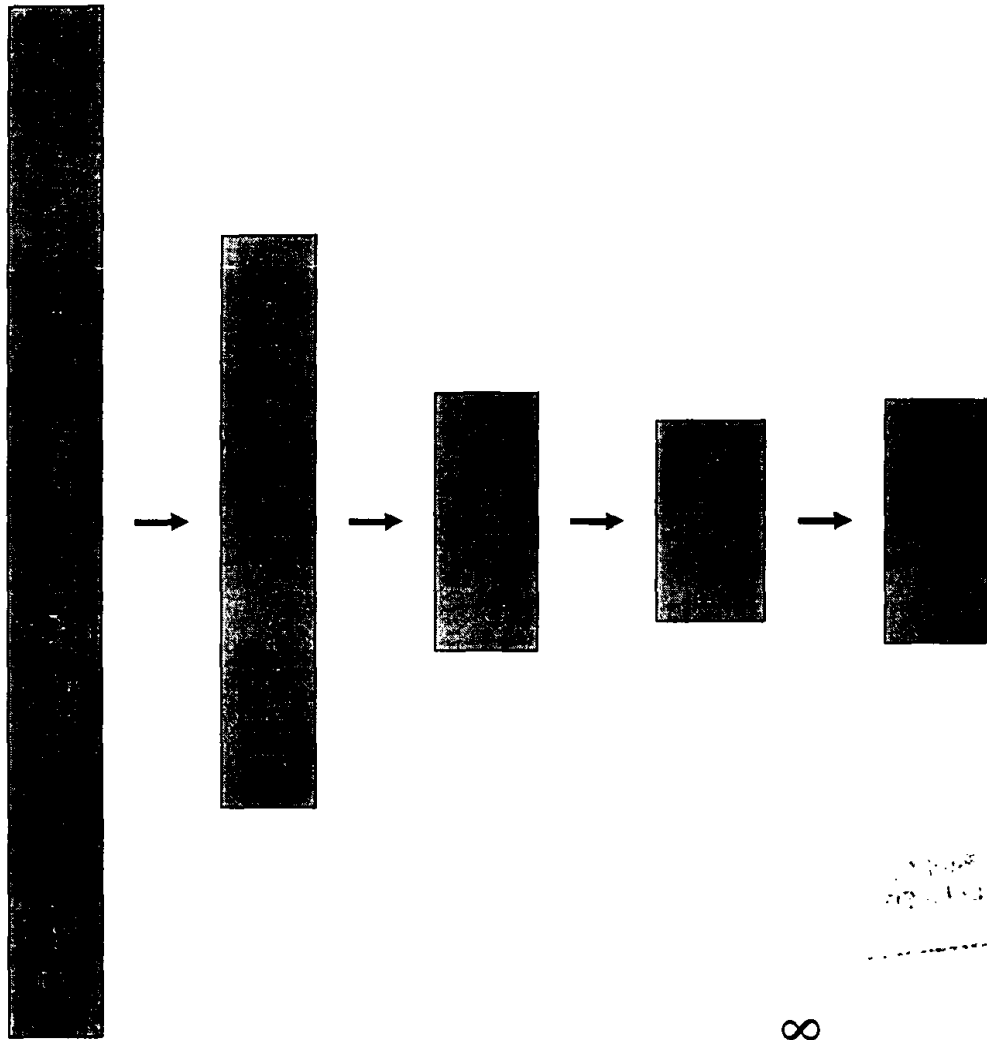
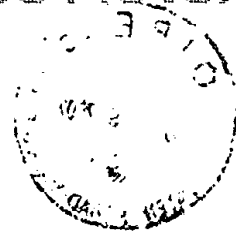


Figure 8

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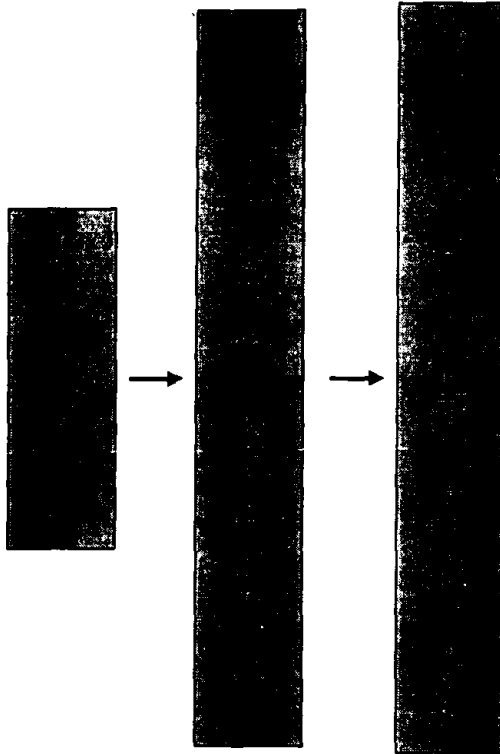
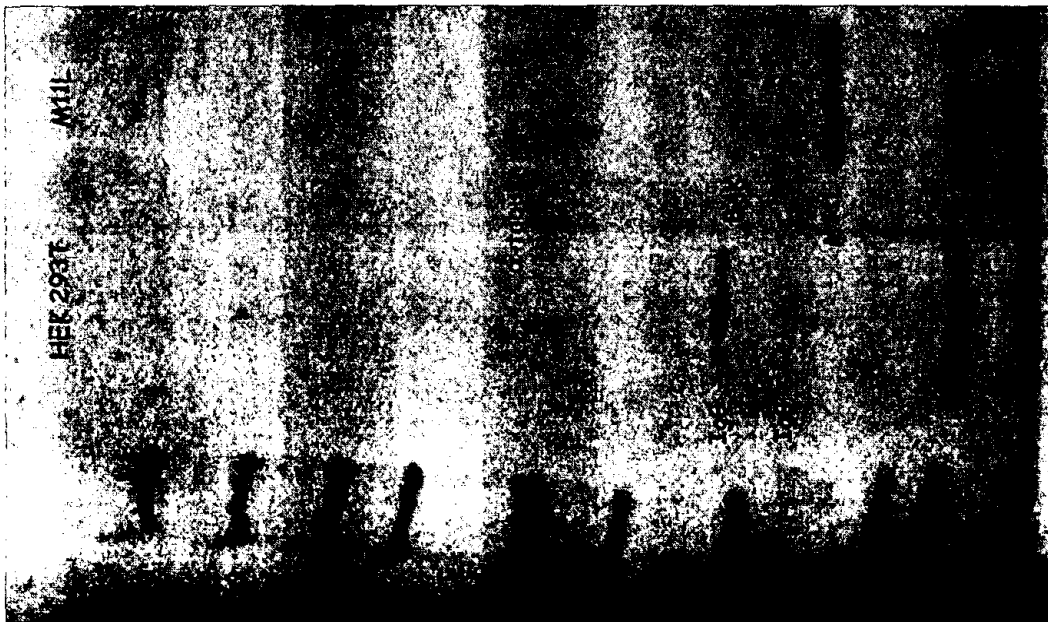
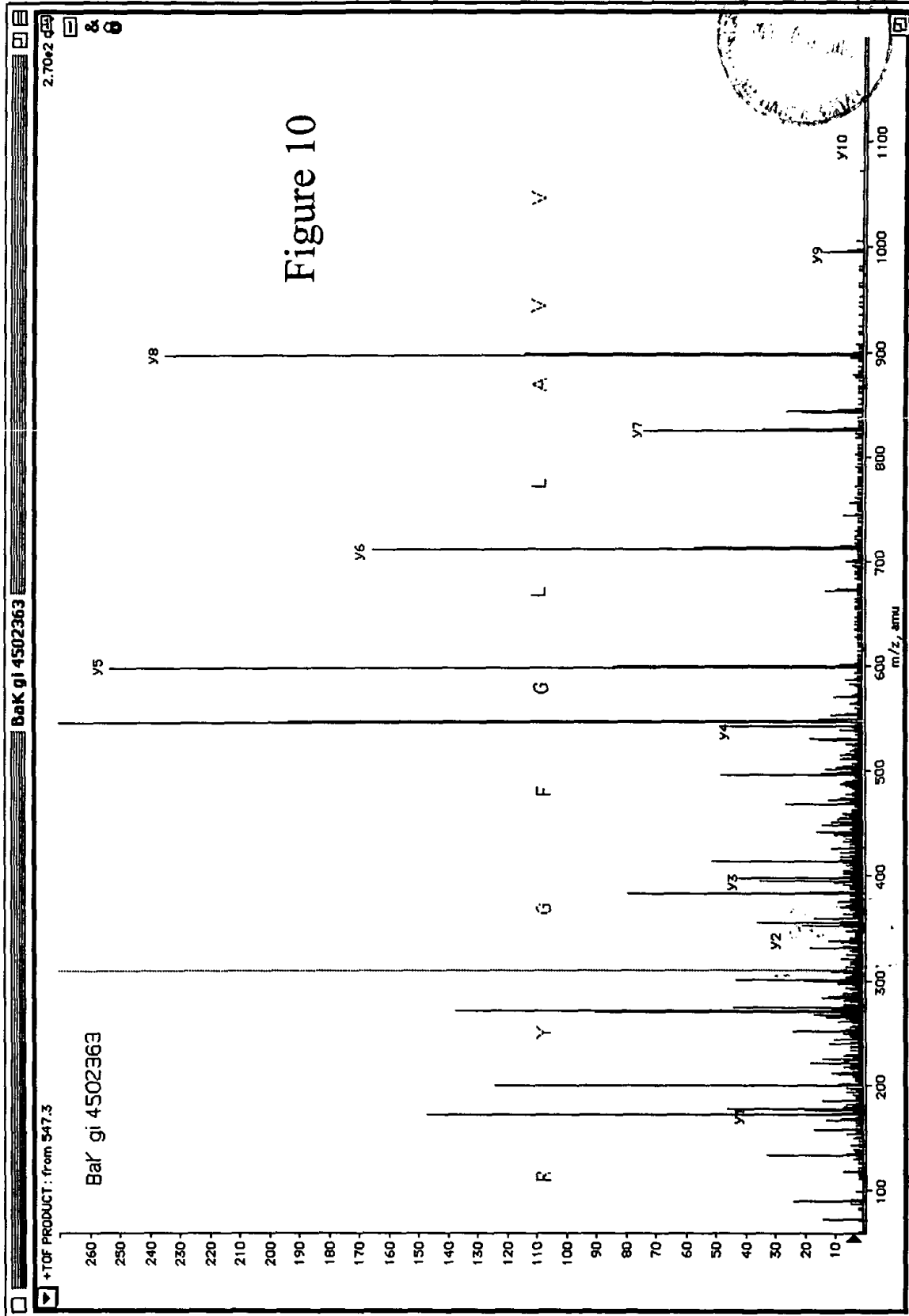


Figure 9





Bak, a Bcl2 family member, was identified
by Mass Spec

MASGQGPGRQECGEPAIPSAEEQVAQD

TEEVFRSYVFYRHHQQEQEAEQVAAPADPEM

VTLPLQPSSTMGQVGR**QLAIIGDDINR**RYD

SEFQTMLQLQPTAENAYEYFTK**IATSLFE**

SGINWGRVVALLGFGYRLALHVVYQH

GLTGFLGQVTRFVDFMLHHCIARWIAQRGGWVA

ALNLGNPILNLVLVLGVLLGQFVRRFFKS

Figure 11



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